

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
12 May 2005 (12.05.2005)

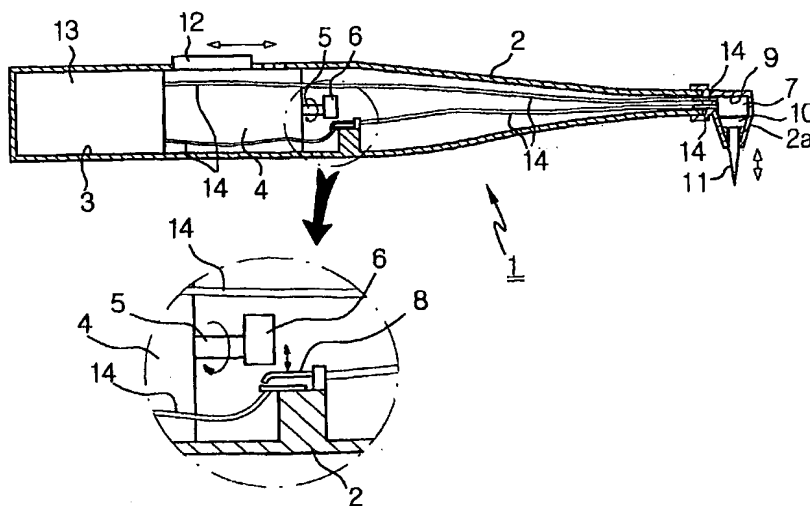
PCT

(10) International Publication Number  
**WO 2005/041808 A1**

- (51) International Patent Classification<sup>7</sup>: **A61C 17/34** [KR/KR]; 102-903, SK Apt, Bugok 3-dong, Geumjeong-Gu, Busan 609-323 (KR).
- (21) International Application Number: PCT/KR2004/002780 (74) Agent: **KIM, Young-Ok**; OK International Patent & Law Office, 1242-7 Yeonsan 5-Dong, Yeonje-Gu, Busan 611-085 (KR).
- (22) International Filing Date: 30 October 2004 (30.10.2004)
- (25) Filing Language: English (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (26) Publication Language: English
- (30) Priority Data:  
10-2003-0077408  
3 November 2003 (03.11.2003) KR
- (71) Applicant and  
(72) Inventor: **LEE, Pal-Hyung** [KR/KR]; 102-903, SK Apt, Bugok 3-dong, Geumjeong-Gu, Busan 609-323 (KR).
- (72) Inventors; and  
(75) Inventors/Applicants (for US only): **LEE, Hye-Jung** [KR/KR]; 102-903, SK Apt, Bugok 3-dong, Geumjeong-Gu, Busan 609-323 (KR). **LEE, Jae-Heon**
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

[Continued on next page]

(54) Title: DENTAL SCALER



(57) Abstract: Disclosed herein is a dental scaler for removing accumulated deposits from the teeth, having a low manufacturing cost so as to be widely used at home. The dental scaler includes a first casing adapted to serve a grip; a power supply-receiving section and a motor installed at the inside of a first casing serving as a grip, wherein the power supply-receiving section is adapted to contain a power supply device therein and a rotating speed of the motor is adjustable by a first switch. A vibrator is eccentrically installed at a driving shaft of the motor to be selectively in electrical contact with a second switch for connecting or disconnecting a power of an electromagnet. An electromagnet-receiving section is formed at the front end portion of the first casing, for containing the electromagnet therein.

WO 2005/041808 A1